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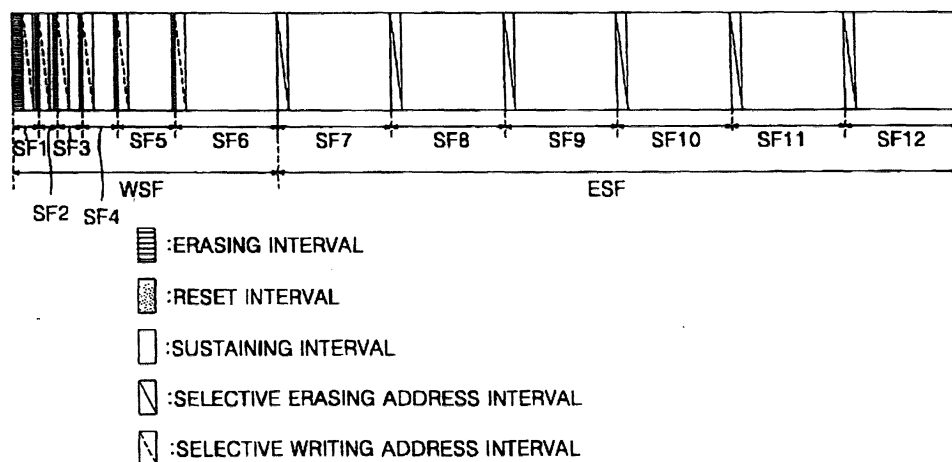
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(54) **Method and apparatus for driving plasma display panel using selective writing and selective erasure**

(57) A plasma display panel driving method and apparatus that is capable of driving a PDP at a high speed as well as improving the contrast. In the method, at least one selective writing sub-field is used to turn on dis-

charge cells selected in an address interval. At least one selective erasing sub-field is used to turn off the discharge cells selected in the address interval. The selective writing sub-field and the selective erasing sub-field are arranged within one frame.

FIG.5





European Patent
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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 834 856 A (LG ELECTRONICS LTD.) 8 April 1998 (1998-04-08) * abstract * * page 4, line 1 - line 52; figures 7-9 *	1	G09G3/28
X	FR 2 755 281 A (SOOSAN HEAVY INDUSTRIES CO.) 30 April 1998 (1998-04-30) * abstract * * page 16, line 18 - page 18, line 7 * * page 17, line 18 - line 29; figures 6-8 *	1	
A	FR 2 740 253 A (FUJITSU LTD.) 25 April 1997 (1997-04-25) * abstract * * page 75, line 6 - line 31; figures 77-79 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) G09G
Place of search THE HAGUE		Date of completion of the search 16 January 2002	Examiner O'Reilly, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 2317

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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16-01-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 834856	A	08-04-1998	KR	234034 B1	15-12-1999
			EP	0834856 A1	08-04-1998
			JP	10116054 A	06-05-1998
			US	6133903 A	17-10-2000

FR 2755281	A	30-04-1998	KR	225902 B1	15-10-1999
			DE	19744793 A1	16-04-1998
			FR	2755281 A1	30-04-1998
			JP	10124002 A	15-05-1998

FR 2740253	A	25-04-1997	JP	10031455 A	03-02-1998
			FR	2740253 A1	25-04-1997
			US	2001045923 A1	29-11-2001
			US	6144364 A	07-11-2000
